

Forklift Attachment

Forklift Attachments Tennessee - Without forklift attachments, many jobs would be difficult, if not impossible. There are numerous forklift attachments that make jobs faster and safer to complete. Forklift operators require training for each attachment they will be using as well as their general forklift training. Forklift attachments come in a wide variety of hydraulic and non-hydraulic attachments. The benefits of utilizing a forklift attachment include decreasing: 1. Employee accidents; 2. Damage to stock; 3. Manpower; 4. Time; and 5. Fuel consumption. Equipment Considerations Forklift attachments can replace existing attachments or may be added to a machine that doesn't already have one. Several equipment-related factors must be considered before any forklift attachment is replaced or added. These considerations include: 1. The forklift type; 2. The forklift's capacity; 3. The carriage type; and 4. The number of hydraulic functions. Failing to take these aforementioned factors into consideration can create extra safety hazards and risks for the operator, the forklift, its' attachments and the stock. There are further safety issues to take into consideration which can be discussed in more detail below. Forklift Rating and Re-Rating Forklifts are given lift capacity ratings by the manufacturer which will need to be adjusted if adding or changing a forklift attachment. Manufacturers of forklift attachments usually offer calculators available online to estimate the safe lifting capacity when using a particular attachment. It is important to note that only the forklift manufacturer can provide accurate lifting capacities. Prior to installing any attachment, it is important to contact the local authorized dealer of the forklift brand being used and request that they re-rate the forklift in accordance with the attachment being considered for use. Once the forklift manufacturer has re-rated the machine, it will ideally have a new specification plate that is factory authorized. The upgraded specification plate replaces the original plate and needs to be installed with the new forklift rating showing. Equipment Upgrades Forklift attachments rely on the machine's hydraulic function and are made up of a forklift valve that has a lever situated close to the operator. This creates two passages of pressurized hydraulic oil for powering the attachment features. Note that not every attachment is hydraulic; however, the hydraulic attachments provide more features compared to the number of valves the forklift offers. In these instances, one or more valves need to be added. There are numerous ways a valve can be added. Forklift manufacturers make accessories for valve and hose routing. However, the parts and labor to install these can be so expensive as to make this option impractical. Other options include adding a cable reel and a hose in conjunction with a solenoid valve to divert oil from an existing location. Unfortunately, hose and cable reels can sometimes block the operator's view and can be easily damaged. Special hoses and a solenoid valve kit can be used to create an electrical conduit out of the reinforced braid. Since these hoses replace existing forklift hoses, they remain safe from external damage while maintaining clear vision for the operator. Safety Considerations Proper training must be obtained prior to fitting any forklift attachment. An operator must be competent in the fitting, operating and removal of the attachment. Two important safety factors must be considered before the use of any forklift attachment. First, any attachment on a forklift will reduce its nominal load rating, as mentioned above. The nominal load rating is computed with a stock fork carriage and forks. However, the actual load rating may be substantially lower. Second, the center of gravity will be affected by the use of any forklift attachment. The forklift's stability will be reduced and this needs to be computed for safety. Since the attachment's weight is prominent in front of the fulcrum point on the forklift, the operator needs to drive the machine as though it is partially loaded even before it is carrying a load. Thus, when using any attachment, an operator should travel at a slow speed and make turns slowly and gently. Every attachment should be listed on the forklift capacity data plate. To maintain safety, special checks need to be completed before using any forklift attachment. The forklift attachment needs to be the right one for the type of forklift being used, appropriate for the load at hand, correctly attached, locked in place and permitted on the data plate of the forklift. List of Common Forklift Attachments A list of the most common attachments

and their general uses are set out below. This is just a sample list of some of the most popular forklift attachments. Forklift attachments are designed to increase job efficiency for many applications.

SIDESHIFTER: Allows the operator to move the forks laterally, allowing for easier placement of a load without the need to reposition the entire forklift. **FORK POSITIONERS:** The fork positioners adjust for different loads by moving the forks together or apart in relation to each other. **DIMENSIONING DEVICES:** Dimensioning devices offer cargo dimensions to create more warehouse efficiency and better truck and trailer space. This is commonly used with billing systems that record volume. **ROTATOR:** A rotator helps to straighten tilted skids and handle custom load requirements and fast unloading. Numerous attachments have a rotator feature. **ROLL AND BARREL CLAMP:** Allows for grasping of load with a rounded shape, such as rolled material and barrels, often with various pressure setting to avoid damage to more fragile materials. These attachments sometimes also have a rotate function to assist with, for example, rotating an item from a horizontal to a vertical position. **CARTON AND MULTIPURPOSE CLAMP:** Allows for grasping a load with a more squared shape, often with pressure settings. Products like cartons, boxes and bales can be moved with this type of attachment. **POLE ATTACHMENTS:** Pole attachments are long metal poles in place of the forks. They are useful for picking up linoleum and rolled up carpet or similar items. **SLIP SHEETER OR PUSH-PULL:** The slip sheeter or push-pull allows the operator to move sheets by clamping onto slip sheets. This is an option instead of relying on pallets. The slip sheet can be moved onto thin and wide metal forks to simplify loading or unloading by pushing the slip sheet. The “Save” variation allows the slip sheet to be taken off for reuse later. The “Standard,” attachment variation is another option. **DRUM HANDLER:** The drum handler is specifically designed to transport drums. It might feature arms to hold the drum or be a spring-loaded model to grip the top lid. **DRUM AND STORAGE BIN TIPPER:** The drum and storage bin tipper helps to transfer loose or liquid items into other containers. **MAN BASKET:** Lift platform meant for lifting workers and complete with railings and brackets for safety harnesses. **TELESCOPIC FORKS:** Allows operation in a warehouse using two pallet stacking where one shelf is placed directly behind another with no aisle between the two. **SCALES:** Enables operators to simultaneously weigh and transport pallets, eliminating the need to interrupt transport to travel to scales, and can be obtained in legal-for-trade weights for operations that bill by weight. **SINGLE-DOUBLE FORKS:** Single-double forks facilitate movement of a single platform or pallet or two side-by-side pallets. This is useful for transporting specialty items with the right attachments employed. It can be used with normal lifting tasks and stops the need for owning two separate machines. This greatly reduces the cost of maintenance and operation that is used with multiple forklifts. **SNOW PLOW:** Snow plows are used to remove snow and redistribute it; however, this attachment can be used with other loose kinds of material. **SKIPS:** Skips facilitate fast and safe removal of waste to the proper waste or skip compactor. Skips are either a bottom-emptying model or a roll-forward type. **BOOMS AND JIBS:** Jibs and boom offer extended forklift reach for transporting loads that are stacked deep or high or that are suspended. There are reach-over, low profile, precision lifting and extendable length options.